TIC Wireless Speakers

Indoor – Outdoor Wireless Speakers

- **TIC Outdoor Wireless Speakers = Weatherproof Design**
- "State of the Art" ***2.4gHz!*** operation
- 8 channel auto-locking functionality
- “Safe” 9v speaker transformers power supply included or uses 6xAA batteries
- Transmitter mains transformer 120v/ 4.5v
- Full featured remote control included
- Remote control power 1x23A battery
- *"Mini Rock"* transmitter unit included
- ***300ft.!*** (unobstructed) transmitter range
- 80ft.! (unobstructed) Remote Control range
- 5" Dual Cone Speaker Drivers
- Aerospace grade, Teflon© sealed, multi-layer composite cabinetry
- Canyon (CN) or Slate (SL) Stone finish
- **Perfect! for TV, Stereo's, iPods, MP3’s, Computers or almost any music source**

TIC Wireless Installation & Owners Guide

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Important Safety & Regulatory Information

Important Safety Instructions

* Keep, read & follow all instructions taking note of all safety instructions or warnings.
* Do not open this device except for appropriate battery installation or replacement. There are no serviceable parts inside. Refer servicing to qualified TIC personnel only.
* The unit is classified Weatherproof, having a general resistance to average outside elements and is not Waterproof. The unit should never be submerged or exposed to large amounts of water. Care should particularly be taken with the unit's power supplies which are not resistant.
* Clean this device with a dry or slightly dampened cloth only.
* Do not install this device near any heat sources.
* Unplug this device when not in use or during unusual weather conditions.
* Protect this device power supply cords or transformers from abrasions, being walked on, pinched, crushed or abraded in any way.
* Use caution when operating any mains (110/ 120v+) power supply.
* Do not expose this device to extreme weather conditions, storms, lighting, or temperatures: below 32^0F/ 0^0C or above 122^0F/ 50^0C.
* Do not expose this device to solvents, including cleaning solvents or garden fertilizers or other products that contain solvents or powerful chemicals.
* The general TIC Warranty issued with this product does not cover third party equipment including any batteries used with this product nor the extended use of batteries or any third party equipment used with this product.
* WARNING! To avoid possible suffocation and injury please keep all plastic bags away from children or pets!

Declaration of FCC Conformity

This device is in conformance with part 15 of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
TIC INC., Model (M-216) WRS010 wireless speakers.
Federal Communications Commission Part 15 Class B. RSZ06060204.
Note: If interference with another device is experienced please connect this equipment into an outlet on a circuit different from the device that is experiencing interference and/ or move this unit's transmitter well away from the device suffering interference.

For Your Records

Manufacturer	TIC INC.	**TIC Contact**	www.ticcorp.com (800) SPX-OMNI
Model #	WRS/ GS500	**Serial #**	……..
Dealer Name	……	**Dealer Contact**	……..
Purchase Date	……	**Invoice/ Receipt#**	……..

TIC recommends you keep your sales receipt and warranty literature together with this owners guide for safe keeping and future reference. Thank you for your purchase!

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Introduction to Your TIC Wireless Speakers

Thank You! for your purchase of another fine TIC product. Your New TIC wireless speakers allow you to enjoy indoor or outdoor music without the hassle of wires, running or hiding hundreds of feet of speaker wire. TIC wishes you to enjoy many years of musical pleasure from your convenient and easy to use TIC wireless speakers.

TIC Wireless Speaker(s) Components

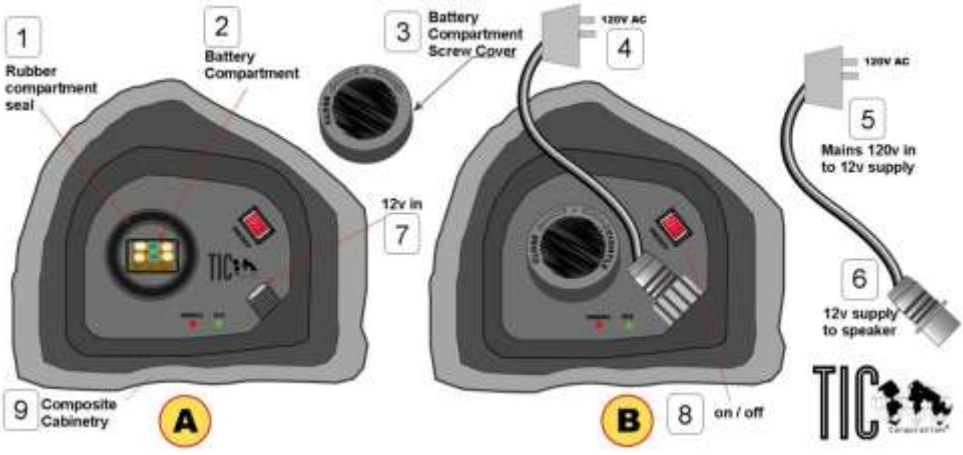
TIC Wireless Speakers	wireless speakers	
TIC Speakers power supplies	X2 transformer cables	
TIC Battery compartment modules	X2 takes 6x AAA batteries	
TIC Remote Control	X1 full feature	
TIC Broadcast Transmitter	X1 omni-directional	
TIC Transmitter power supply	X1 transformer cable	
Music source cables	3.5mm x2, 3.5mm to “Y” RCA	

Power Options for your TIC Wireless Speakers

There are two options to power your TIC wireless speakers;
1. You may use Batteries to power your wireless speakers. Please review the batteries use note below.
2. You may also use the included 120v mains power cable / transformer to power your wireless speakers.

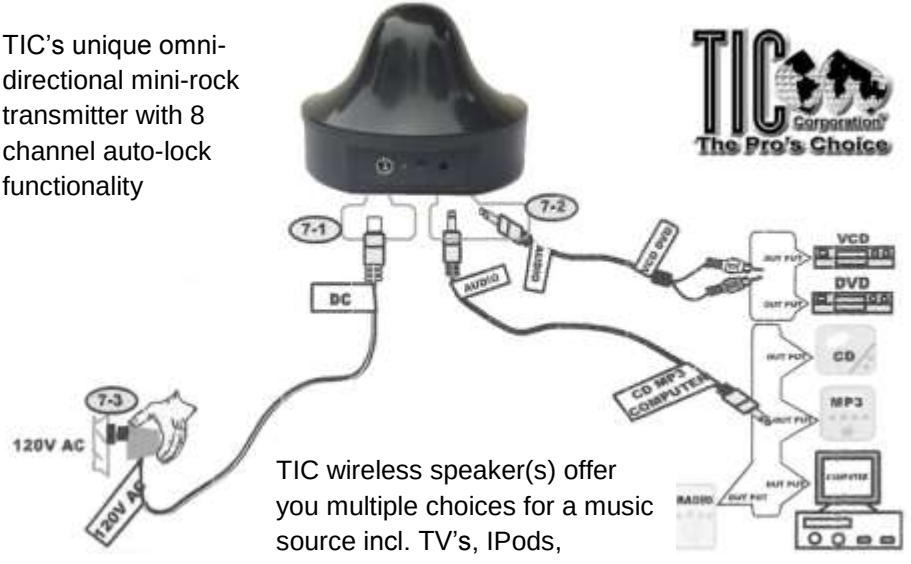
An Important Note on using Batteries

Your TIC wireless speakers use standard C-cell batteries. The wireless speaker(s) battery module uses 6x AAA batteries. The Remote Control unit uses 1x A23 battery available in most drug stores.
WARNING! do not mix battery types e.g. zinc with alkaline batteries or new and used batteries. Do not leave batteries in this product for long periods of time. The Red LED will light and warn of power loss or fluctuation.



Connecting the Transmitter to your music source

TIC's unique omni-directional mini-rock transmitter with 8 channel auto-lock functionality



TIC wireless speaker(s) offer you multiple choices for a music source incl. TV's, IPods, headphone jacks and more…

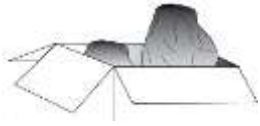
Note: Always make sure you are using an operational audio output. Common color coding for RCA type plug use with audio outputs are Red & White. There are basically two types of audio outputs you will use; fixed level audio outputs are unaffected by the units volume control and are preferred. Variable level audio outputs like headphone jacks and others can be adjusted by the music sources volume control and care must be taken to ensure they are set loud enough to be transmitted to the wireless speakers.

Wireless Remote Control

TIC wireless speaker(s) Remote Control has an unobstructed range of approximately 80'/ 30M.
1. Carefully remove the rear battery cover and only use 1xMN21/23 or 23A battery.
2. Point the remote directly at the wireless speakers, switch speakers on/ off or adjust volumes up or down.
3. You will note the Red LED flash as the remote buttons are operated.
Note: if the Red LED light dims or does not flash in operation replace the remote controls battery as this could cause intermittent or poor operation.

Simple 8 Step Quick Start Guide!

1.Carefully unpack your new TIC wireless speakers and check all components included, carefully. (Listed under Components above)



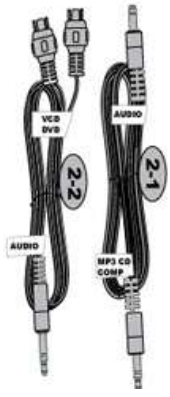
2. Before exterior placement & installation; place your new wireless speaker(s) near a 120v AC mains socket, find their transformer/ mains power supply(s) cord and plug them in carefully.

3. Lift the unit(s) and switch-on with the silicone covered rocker switch. You should see the Green LED light up. Note: the Red LED light next to it only lights when warning of low power. This is useful when the units are running on battery power.

4. Now that the units are plugged in and "on", Green light lit, find the Remote Control. Remove the battery cover and place the battery (23A) in the remote control carefully noting the battery is aligned the right way. Press the "ON" button on the remote control; you should see a Red LED light on the Remote flash as you do this, ensuring the remote is powered

5. Simultaneously with your pressing the ON switch of the remote control you should hear a "pop" or feedback sound from your wireless speaker(s). This ensures the units are powered, working and waiting to receive a wireless signal from the broadcast transmitter.

6. Now go to the wireless broadcast Transmitter. Find the transmitters mains/ transformer power supply and plug in. Attach the other end to the transmitter and you should see a Green LED light showing the unit is powered and ready to transmit.



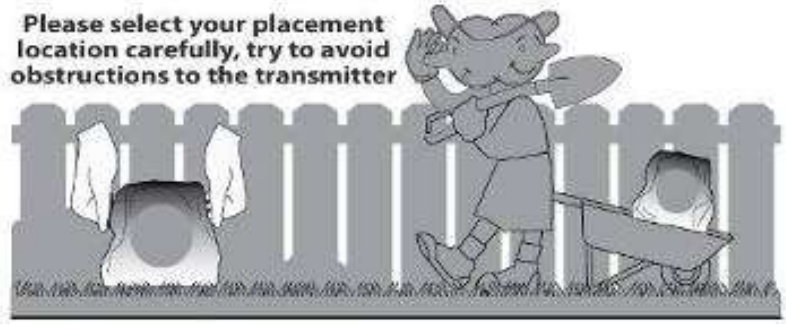
7. There are two music source cables supplied with your TIC wireless speaker(s). Note: the transmitter only takes a 3.5mm jack input. (1) This cable supplied is a 3.5mm jack to 3.5mm jack that is useful for connecting your wireless speaker(s) transmitter to CD, MP3, IPods, computers, headphones and other modern devices which have a 3.5mm jack output connection. (2) This connection cable supplied has a 3.5mm jack at one end for the transmitter connection and a "Y" type, 2x RCA plugs at the other. This cable is useful for connecting your transmitter to RCA type plug outputs like those found on TV's, audio amplifiers, AV receivers and devices which only have RCA plug type audio outputs. Note: such audio outputs usually follow the standard audio output color code of Red & White.

8. It is <u>important</u> you ensure your choice of music source or connection method is operating and producing a signal the transmitter can broadcast to the speaker(s). A quick check method is prior to plugging in the transmitter make sure the chosen music source is producing sound normally. An earphone connection is the easiest way as the music will stop when connected in this fashion and you can ensure the signal passes to the transmitter. Please ensure sufficient Volume is being produced, the right "mode" if any, is chosen and that the "mute" switch is not on.

Note: If you have more than one TIC wireless speaker. It is possible for your wireless speakers to become “Out of Phase” where switching “On” using the Remote Control switches on one speaker but not the other. In this case, remove the batteries, completely power down the system. Plug in the speakers together, switch on using the rocker switch, then switch on using the remote. You should hear the unit(s) “pop” or a feedback noise as power surges through the internal amplifier. The units have now regained phase.

Exterior Installation

Some general notes should you install your TIC wireless speaker(s) outdoors.



1. Select a reasonably level surface for the installation of your new TIC outdoor speakers. For surface speakers this will prevent movement or excessive vibration during use. This will also ensure more uniform sound dispersion and better speaker resonance.
2. *Wireless: In normal circumstances we suggest placing the transmitter at a height of 1 meter above the receiving units. (Because land will absorb radio waves produced by the transmitter) Within the maximum area of coverage (unobstructed), the zero boundary point is 100 meters or approx. 300 ft.. Reception will gradually decay when it is beyond the zero boundary point. At this time you can raise the speaker, such as place it at a height of 12”/ 30 CM+ above the earth. The reception of the wireless rock speakers will be greatly improved.
3. Do not place your TIC outdoor speakers in a depression or area where water pools or in the direct path of garden sprinklers.
4. Wherever possible avoid long term exposure of your new TIC outdoor speakers to excessive high temperatures, chlorinated solvents, acids such as those often contained in fertilizers and other solvents which have the potential to eventually wear the internal components prematurely.
5. There is no requirement for customer to open this unit for any kind of operation or maintenance. Doing so will void the warranty.
6. Ensure the base main power switch is in the “off” position when not in use, otherwise the unit still consumes power in the “stand by” mode.
7. Avoid any shocks, high vibration, collisions or sudden impacts to the speaker unit or any of its components

Disclaimer

TIC Corporation will in no way be held responsible for the improper or unsecured installation of this product. Any and all damage arising from the installation or use of this product is the purchaser and final installer's sole responsibility. TIC will also not be held responsible for the improper use or exposure to water of any power supply, supplied with TIC products.

Maintenance

Periodic or occasional maintenance of your TIC products in general cannot hurt and may help greatly. Inspect the installation area regularly, removing any dirt, dust or particulate matter from impeding or building up around the TIC product. The unit may be cleaned using a soft slightly damp cloth with very mild detergents like dishwashing liquid if desired. Keep away from audio inputs or output jacks. In very cold climates with moderate to heavy snowfall or rain an old trick from the major theme parks we supply worldwide is to place a plastic bag or waterproof cover over the unit for the winter season or periods it may be not in use or in unusually wet weather conditions.

Customer Service

For any additional help, please contact TIC Corporation at (800) SPX-OMNI, or on line at www.ticcorp.com , by email at info@ticcorp.com where we would be happy to assist you at any time. Also please visit our website www.ticcorp.com/ for FAQ (frequently asked questions) about your TIC product and full contact information.
Should you desire a return material authorization please send an email to rma@ticcorp.com and mention your problem including a copy of your receipt and any other information you can supply.

Warranty Notes

TIC Corporation offers a full, UCC approved, one year full parts and labor warranty (see enclosure) on all its products as standard however there are other 3 and 5 year warranties in use with various TIC authorized Dealers worldwide. Please check your enclosed Warranty card or your Dealer receipt to find out which one applies to you. Also please note TIC Corporation General Terms & Conditions posted on our website at www.ticcorp.com/tic_terms.htm for further information.

Troubleshooting

The following troubleshooting notes list some of the more common installation questions received. You may always call (800) SPX-OMNI for more advice or see our website FAQ at www.ticcorp.com/troubleshooting_wireless_speakers.htm .	
No Sound?	Transmitter is not initialized. Re-check that the transmitter is powered (green LED)
	Check the audio signal source both to and from the Transmitter. Try another cable or music source output channel to ensure integrity
	Check the music source used is powered “on”, is not on mute, has no headphones attached and that the channel used for transmission (usually A or B) is in operation or the correct Mode is selected
	Refer to the owners guide that came with your music source to ensure your using an active “output” channel
	Check that the Remote Control “on” switch is operational
	Check the volume control on the Remote and at the music source is loud enough to be heard
	If using Batteries ensure all batteries used are new and inserted correctly (+, -). Also ensure the battery pack contacts are making good connection inside the speaker battery compartment
	Check the Green indicator light on the base of your speakers is lit and they are operational
	Check that the Red indicator light is not lit or signaling power issues
No sound, poor sound or distorted sound	Speaker Red LED is flashing, dim or on. Change batteries or re-check power supply
	Check the range by temporarily moving the transmitter near the speakers
	Lift the Transmitter height

Installation Notes

Make any Installation notes here

TIC Wireless Speaker Technical Specifications

Accessories Included	1x 3.5mm to 3.5mm digital cable 1x 3.5mm to 2x RCA type plugs
Audio Inputs	Analog / digital: IPods, CD's, MP3's, receiver amplifiers, TV's, AVR's, phono's, DVD's, portable stereos etc.
Selectable RF Channels	8 switchable channels
Broadcast Frequency Range	2400 – 2483 MHz
Transmitter Voltage	DC 4.5v 500mA
Receiver Voltage	DC 9v 800mA
Power Consumption	300-600mA
Impedance	8 Ohms
Sensitivity @ 1W / 1M	84db ±3db
Continuous / Peak	2.5 – 5W
Frequency Response	90Hz – 18kHz
Transmitter Range	100m / 300ft. (unobstructed)
Remote Control Range	30m / 80ft. (unobstructed)
Battery Life	Approx. 4 – 6 hrs.
Unit Size	9.4 x 9.4 x 7.4 or 8.4x8.4x9 in.
Pack Size	18 x 10 x 8.5 or 14x10x10 in. (pair)
Pack Weight	16 Lbs. or 6 Lbs.

TIC Corporation engages in continual product research and development, new materials, production methods and design improvements. TIC Corporation, their Agents, Representatives and Distributors therefore reserve all rights to change or improve product specifications without notice.

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